

... for a brighter future





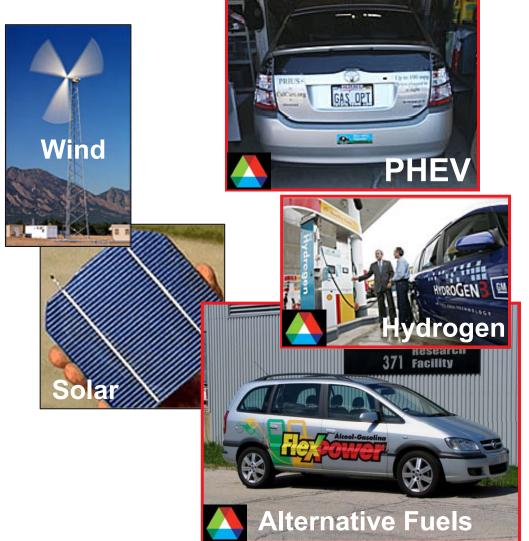
A U.S. Department of Energy laboratory managed by UChicago Argonne, LLC

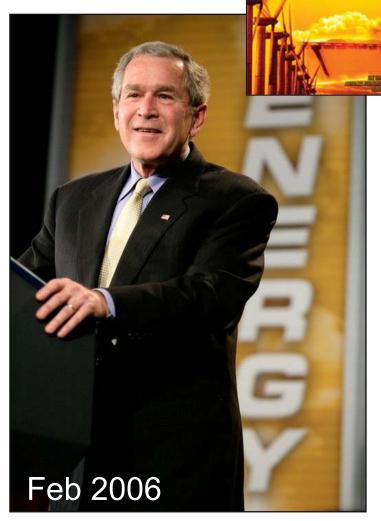
Vehicle Research at ANL to Support U.S. Department of Energy Goals

Glenn Keller
Michael Duoba
Thomas Wallner
Henning Lohse-Busch

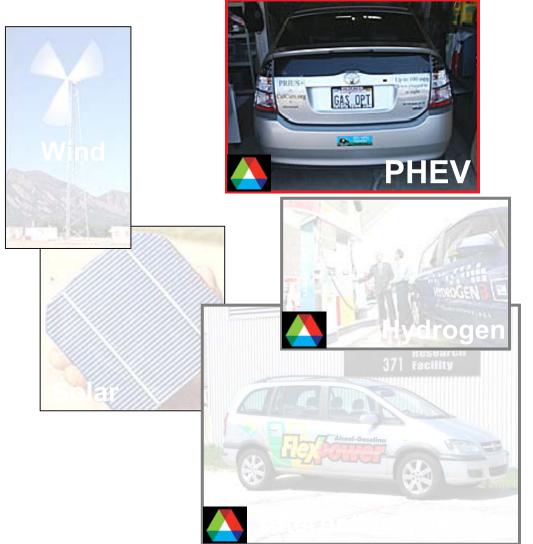


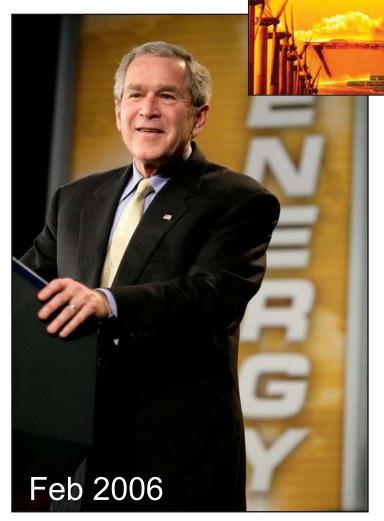
Advanced Energy Initiative: Argonne Taking Lead on Evaluating Vehicle Technologies





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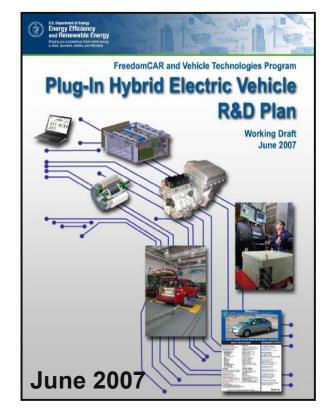




PHEV R&D Plan

Objective: Achieve DOE goals through
Petroleum Displacement – electrification

- Define Goals & Targets
 - Testing & simulation
 - Develop testing standards
- 2. Technology Demonstration
- 3. Technology Commercialization





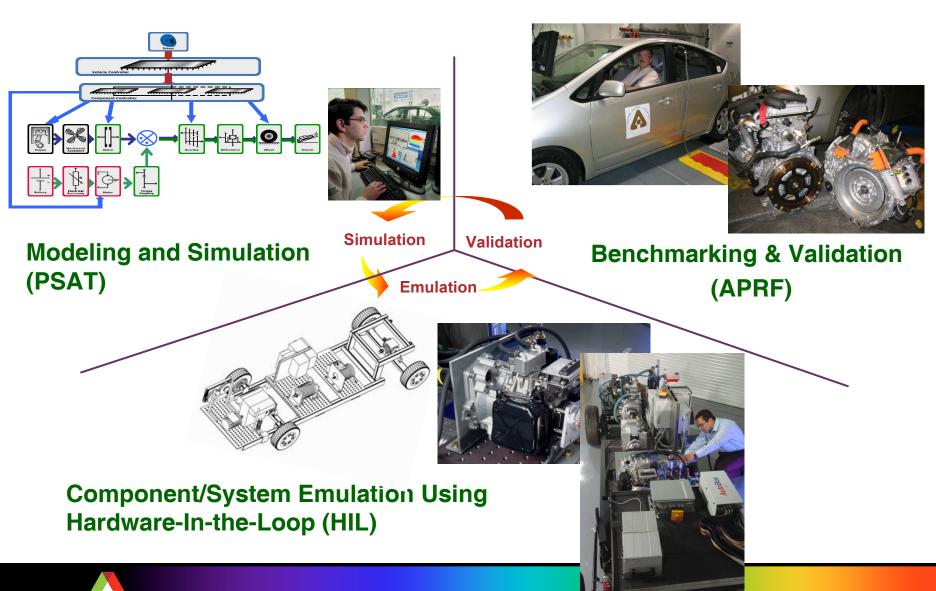
PHEV = Standard wall outlet

current

= up to 40mi range in electric only



Systems Approach for Vehicle-Level Research Programs



PHEV Testing and Evaluations

- ANL Chairs SAE J1711 a standard protocol for testing PHEVs
- ANL pioneers instrumentation for new, advanced vehicles
- ANL first to test "conversion" PHEVs and OEM prototypes
 - Inventing new methods for a very different kind of vehicle
- ANL built prototypes to do further research









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